

# Yan-Jun Liu

## List of Publications by Year in descending order

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206  
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#	ARTICLE	IF	CITATIONS
1	Barrier Lyapunov Functions-based adaptive control for a class of nonlinear pure-feedback systems with full state constraints. <i>Automatica</i> , 2016, 64, 70-75.	5.0	716
2	Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. <i>Automatica</i> , 2017, 76, 143-152.	5.0	674
3	Observer-Based Adaptive Fuzzy Backstepping Control for a Class of Stochastic Nonlinear Strict-Feedback Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1693-1704.	5.0	537
4	Adaptive Consensus Control for a Class of Nonlinear Multiagent Time-Delay Systems Using Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 1217-1226.	11.3	531
5	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints. <i>Automatica</i> , 2018, 87, 83-93.	5.0	508
6	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 1591-1601.	9.5	504
7	Fuzzy Neural Network-Based Adaptive Control for a Class of Uncertain Nonlinear Stochastic Systems. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 583-593.	9.5	467
8	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1562-1571.	11.3	424
9	Fuzzy Approximation-Based Adaptive Backstepping Optimal Control for a Class of Nonlinear Discrete-Time Systems With Dead-Zone. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 16-28.	9.8	402
10	Neural Networks-Based Adaptive Finite-Time Fault-Tolerant Control for a Class of Strict-Feedback Switched Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 2536-2545.	9.5	368
11	Observer-Based Neuro-Adaptive Optimized Control of Strict-Feedback Nonlinear Systems With State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3131-3145.	11.3	349
12	Adaptive Neural Output Feedback Tracking Control for a Class of Uncertain Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 1162-1167.	4.2	333
13	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	330
14	Adaptive Fuzzy Control via Observer Design for Uncertain Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2013, 21, 275-288.	9.8	299
15	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 2151-2160.	9.5	290
16	Robust Adaptive Tracking Control for Nonlinear Systems Based on Bounds of Fuzzy Approximation Parameters. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2010, 40, 170-184.	2.9	276
17	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1249-1258.	9.5	250
18	Adaptive Neural Output Feedback Controller Design With Reduced-Order Observer for a Class of Uncertain Nonlinear SISO Systems. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 1328-1334.	4.2	248

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19	Adaptive NN Tracking Control of Uncertain Nonlinear Discrete-Time Systems With Nonaffine Dead-Zone Input. IEEE Transactions on Cybernetics, 2015, 45, 497-505.	9.5	247
20	Adaptive Fuzzy Robust Output Feedback Control of Nonlinear Systems With Unknown Dead Zones Based on a Small-Gain Approach. IEEE Transactions on Fuzzy Systems, 2014, 22, 164-176.	9.8	234
21	Adaptive Controller Design-Based ABLF for a Class of Nonlinear Time-Varying State Constraint Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1546-1553.	9.3	227
22	Adaptive Fuzzy Control for a Class of Nonlinear Discrete-Time Systems With Backlash. IEEE Transactions on Fuzzy Systems, 2014, 22, 1359-1365.	9.8	217
23	Neural-network-based adaptive leader-following consensus control for second-order nonlinear multi-agent systems. IET Control Theory and Applications, 2015, 9, 1927-1934.	2.1	213
24	Adaptive Fuzzy Output Feedback Control for a Class of Nonlinear Systems With Full State Constraints. IEEE Transactions on Fuzzy Systems, 2018, 26, 2607-2617.	9.8	213
25	Reinforcement Learning Design-Based Adaptive Tracking Control With Less Learning Parameters for Nonlinear Discrete-Time MIMO Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 165-176.	11.3	212
26	Adaptive Fuzzy Identification and Control for a Class of Nonlinear Pure-Feedback MIMO Systems With Unknown Dead Zones. IEEE Transactions on Fuzzy Systems, 2015, 23, 1387-1398.	9.8	204
27	Fuzzy Adaptive Control With State Observer for a Class of Nonlinear Discrete-Time Systems With Input Constraint. IEEE Transactions on Fuzzy Systems, 2016, 24, 1147-1158.	9.8	204
28	Adaptive fuzzy control for a class of uncertain nonaffine nonlinear systems. Information Sciences, 2007, 177, 3901-3917.	6.9	203
29	Adaptive Neural Network Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 9458-9466.	7.9	202
30	Neural Controller Design-Based Adaptive Control for Nonlinear MIMO Systems With Unknown Hysteresis Inputs. IEEE Transactions on Cybernetics, 2016, 46, 9-19.	9.5	187
31	Adaptive neural network-based control for a class of nonlinear pure-feedback systems with time-varying full state constraints. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 923-933.	13.1	187
32	Observer-based adaptive fuzzy tracking control for a class of uncertain nonlinear MIMO systems. Fuzzy Sets and Systems, 2011, 164, 25-44.	2.7	180
33	Fuzzy-Based Multierror Constraint Control for Switched Nonlinear Systems and Its Applications. IEEE Transactions on Fuzzy Systems, 2019, 27, 1519-1531.	9.8	180
34	Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. Automatica, 2021, 129, 109595.	5.0	178
35	Adaptive fuzzy output tracking control for a class of uncertain nonlinear systems. Fuzzy Sets and Systems, 2009, 160, 2727-2754.	2.7	174
36	Adaptive fuzzy control for a class of unknown nonlinear dynamical systems. Fuzzy Sets and Systems, 2015, 263, 49-70.	2.7	165

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37	Adaptive NN Control Using Integral Barrier Lyapunov Functionals for Uncertain Nonlinear Block-Triangular Constraint Systems. IEEE Transactions on Cybernetics, 2017, 47, 3747-3757.	9.5	161
38	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2625-2636.	11.3	161
39	Barrier Lyapunov Function-Based Adaptive Fuzzy FTC for Switched Systems and Its Applications to Resistance-Inductance-Capacitance Circuit System. IEEE Transactions on Cybernetics, 2020, 50, 3491-3502.	9.5	160
40	Adaptive NN Controller Design for a Class of Nonlinear MIMO Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1007-1018.	11.3	159
41	Neural network based adaptive event trigger control for a class of electromagnetic suspension systems. Control Engineering Practice, 2021, 106, 104675.	5.5	150
42	Neural Network Controller Design for an Uncertain Robot With Time-Varying Output Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2060-2068.	9.3	141
43	Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 5847-5855.	7.9	138
44	Adaptive Neural Network Learning Controller Design for a Class of Nonlinear Systems With Time-Varying State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 66-75.	11.3	132
45	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. IEEE Transactions on Cybernetics, 2020, 50, 1877-1886.	9.5	131
46	Approximation-Based Adaptive Neural Tracking Control of Nonlinear MIMO Unknown Time-Varying Delay Systems With Full State Constraints. IEEE Transactions on Cybernetics, 2017, 47, 3100-3109.	9.5	123
47	Model Identification and Control Design for a Humanoid Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 45-57.	9.3	122
48	Neural Network-Based Model-Free Adaptive Fault-Tolerant Control for Discrete-Time Nonlinear Systems With Sensor Fault. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2351-2362.	9.3	117
49	Optimal Control-Based Adaptive NN Design for a Class of Nonlinear Discrete-Time Block-Triangular Systems. IEEE Transactions on Cybernetics, 2016, 46, 2670-2680.	9.5	115
50	Adaptive robust fuzzy control for a class of uncertain chaotic systems. Nonlinear Dynamics, 2009, 57, 431-439.	5.2	110
51	Adaptive Neural Network Control for a Class of Nonlinear Systems With Function Constraints on States. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2732-2741.	11.3	110
52	Adaptive output feedback control for a class of nonlinear systems with full-state constraints. International Journal of Control, 2014, 87, 281-290.	1.9	109
53	A Unified Approach to Adaptive Neural Control for Nonlinear Discrete-Time Systems With Nonlinear Dead-Zone Input. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 139-150.	11.3	104
54	Finite-Time Convergence Adaptive Neural Network Control for Nonlinear Servo Systems. IEEE Transactions on Cybernetics, 2020, 50, 2568-2579.	9.5	102

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55	Fuzzy Adaptive Inverse Compensation Method to Tracking Control of Uncertain Nonlinear Systems With Generalized Actuator Dead Zone. IEEE Transactions on Fuzzy Systems, 2017, 25, 191-204.	9.8	101
56	Adaptive Neural Network-Based Tracking Control for Full-State Constrained Wheeled Mobile Robotic System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2410-2419.	9.3	99
57	Actuator Failure Compensation-Based Adaptive Control of Active Suspension Systems With Prescribed Performance. IEEE Transactions on Industrial Electronics, 2020, 67, 7044-7053.	7.9	97
58	Observer-based adaptive fuzzy-neural control for a class of uncertain nonlinear systems with unknown dead-zone input. ISA Transactions, 2010, 49, 462-469.	5.7	88
59	Adaptive fuzzy optimal control using direct heuristic dynamic programming for chaotic discrete-time system. JVC/Journal of Vibration and Control, 2016, 22, 595-603.	2.6	86
60	Modeling and Vibration Control for a Moving Beam With Application in a Drilling Riser. IEEE Transactions on Control Systems Technology, 2017, 25, 1036-1043.	5.2	86
61	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 1252-1263.	9.8	80
62	Adaptive NN Control Without Feasibility Conditions for Nonlinear State Constrained Stochastic Systems With Unknown Time Delays. IEEE Transactions on Cybernetics, 2019, 49, 4485-4494.	9.5	78
63	Adaptive Reinforcement Learning Control Based on Neural Approximation for Nonlinear Discrete-Time Systems With Unknown Nonaffine Dead-Zone Input. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 295-305.	11.3	75
64	Observer-Based Adaptive Neural Networks Control for Large-Scale Interconnected Systems With Nonconstant Control Gains. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1575-1585.	11.3	75
65	Partial State Constraints-Based Control for Nonlinear Systems With Backlash-Like Hysteresis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, , 1-5.	9.3	73
66	Fuzzy Observer Constraint Based on Adaptive Control for Uncertain Nonlinear MIMO Systems With Time-Varying State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1380-1389.	9.5	70
67	Neural Approximation-Based Adaptive Control for a Class of Nonlinear Nonstrict Feedback Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1531-1541.	11.3	69
68	An Adaptive Neural Network Controller for Active Suspension Systems With Hydraulic Actuator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5351-5360.	9.3	69
69	Adaptive Neural Network-Based Finite-Time Online Optimal Tracking Control of the Nonlinear System With Dead Zone. IEEE Transactions on Cybernetics, 2021, 51, 382-392.	9.5	69
70	Adaptive Neural Control Using Tangent Time-Varying BLFs for a Class of Uncertain Stochastic Nonlinear Systems With Full State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1943-1953.	9.5	65
71	Fuzzy Approximation-Based Adaptive Control of Nonlinear Uncertain State Constrained Systems With Time-Varying Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 1620-1630.	9.8	62
72	Adaptive Finite-Time Neural Network Control of Nonlinear Systems With Multiple Objective Constraints and Application to Electromechanical System. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5416-5426.	11.3	62

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73	Optimal Fault-Tolerant Control for Discrete-Time Nonlinear Strict-Feedback Systems Based on Adaptive Critic Design. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2179-2191.	11.3	55
74	Adaptive neural control using reinforcement learning for a class of robot manipulator. Neural Computing and Applications, 2014, 25, 135-141.	5.6	53
75	Adaptive Neural Network Control for a DC Motor System with Dead-Zone. Nonlinear Dynamics, 2013, 72, 141-147.	5.2	51
76	Neural-Network-Based Robust Optimal Tracking Control for MIMO Discrete-Time Systems With Unknown Uncertainty Using Adaptive Critic Design. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1239-1251.	11.3	51
77	Adaptive Fuzzy Tracking Control Based Barrier Functions of Uncertain Nonlinear MIMO Systems With Full-State Constraints and Applications to Chemical Process. IEEE Transactions on Fuzzy Systems, 2018, 26, 2145-2159.	9.8	51
78	Direct adaptive NN control for a class of discrete-time nonlinear strict-feedback systems. Neurocomputing, 2010, 73, 2498-2505.	5.9	48
79	Observer-Based Adaptive Fuzzy Tracking Control Using Integral Barrier Lyapunov Functionals for A Nonlinear System With Full State Constraints. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 617-627.	13.1	48
80	Adaptive Fuzzy Output-Feedback Control for Switched Uncertain Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2022, 52, 7340-7351.	9.5	47
81	Fuzzy tracking adaptive control of discrete-time switched nonlinear systems. Fuzzy Sets and Systems, 2017, 316, 35-48.	2.7	46
82	Adaptive fuzzy controller design of nonlinear systems with unknown gain sign. Nonlinear Dynamics, 2009, 58, 687-695.	5.2	44
83	Adaptive NN fault-tolerant control for discrete-time systems in triangular forms with actuator fault. Neurocomputing, 2015, 152, 209-221.	5.9	44
84	ADP-Based Online Tracking Control of Partially Uncertain Time-Delayed Nonlinear System and Application to Wheeled Mobile Robots. IEEE Transactions on Cybernetics, 2020, 50, 3182-3194.	9.5	44
85	Adaptive neural network tracking control for a class of non-linear systems. International Journal of Systems Science, 2010, 41, 143-158.	5.5	43
86	Adaptive Neural Network Control for Uncertain Time-Varying State Constrained Robotics Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2511-2518.	9.3	43
87	Adaptive Sliding Mode Control for Uncertain Active Suspension Systems With Prescribed Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6414-6422.	9.3	43
88	Observer-based direct adaptive fuzzy control of uncertain nonlinear systems and its applications. International Journal of Control, Automation and Systems, 2009, 7, 681-690.	2.7	40
89	Adaptive output feedback control of uncertain nonlinear systems based on dynamic surface control technique. International Journal of Robust and Nonlinear Control, 2012, 22, 945-958.	3.7	40
90	Adaptive fuzzy output feedback control of uncertain nonlinear systems with nonsymmetric dead-zone input. Nonlinear Dynamics, 2011, 63, 771-778.	5.2	37

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91	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. IET Control Theory and Applications, 2014, 8, 515-521.	2.1	37
92	Echo State Networks Based Data-Driven Adaptive Fault Tolerant Control With Its Application to Electromechanical System. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1372-1382.	5.8	37
93	Data-Based Adaptive Fault Estimation and Fault-Tolerant Control for MIMO Model-Free Systems Using Generalized Fuzzy Hyperbolic Model. IEEE Transactions on Fuzzy Systems, 2018, 26, 3191-3205.	9.8	36
94	Stability Analysis of Tâ€‘S Fuzzy Control System With Sampled-Dropouts Based on Time-Varying Lyapunov Function Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2566-2577.	9.3	36
95	Adaptive fuzzy output feedback decentralized control of pureâ€‘feedback nonlinear largeâ€‘scale systems. International Journal of Robust and Nonlinear Control, 2014, 24, 930-954.	3.7	35
96	Event-Triggered Tracking Control for Active Seat Suspension Systems With Time-Varying Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 582-590.	9.3	35
97	IBLF-Based Adaptive Neural Control of State-Constrained Uncertain Stochastic Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7345-7356.	11.3	35
98	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with dead-zone. Science China Information Sciences, 2014, 57, 1-12.	4.3	34
99	Observer-Based Adaptive Neural Output Feedback Constraint Controller Design for Switched Systems Under Average Dwell Time. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3901-3912.	5.4	34
100	Adaptive Fault-Tolerant Consensus Protocols for Multiagent Systems With Directed Graphs. IEEE Transactions on Cybernetics, 2020, 50, 25-35.	9.5	32
101	Adaptive fuzzy output-feedback control of uncertain SISO nonlinear systems. Nonlinear Dynamics, 2010, 61, 749-761.	5.2	29
102	Relative Threshold-Based Event-Triggered Control for Nonlinear Constrained Systems With Application to Aircraft Wing Rock Motion. IEEE Transactions on Industrial Informatics, 2022, 18, 911-921.	11.3	29
103	Adaptive neural output feedback control of nonlinear discrete-time systems. Nonlinear Dynamics, 2011, 65, 65-75.	5.2	28
104	Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1644-1654.	9.5	27
105	Adaptive Output Feedback Tracking Control for a Class of Nonlinear Time-Varying State Constrained Systems With Fuzzy Dead-Zone Input. IEEE Transactions on Fuzzy Systems, 2021, 29, 1841-1852.	9.8	26
106	Active Suspension Control of Quarter-Car System With Experimental Validation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4714-4726.	9.3	26
107	Value Iteration-Based H <sub>âˆž</sub> Controller Design for Continuous-Time Nonlinear Systems Subject to Input Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3986-3995.	9.3	25
108	Deep Echo State Network With Multiple Adaptive Reservoirs for Time Series Prediction. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 693-704.	3.8	23

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109	Adaptive fuzzy-neural tracking control for uncertain nonlinear discrete-time systems in the NARMAX form. <i>Nonlinear Dynamics</i> , 2011, 66, 745-753.	5.2	22
110	Reinforcement Learning Neural Network-Based Adaptive Control for State and Input Time-Delayed Wheeled Mobile Robots. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4171-4182.	9.3	22
111	Output feedback stabilization based on dynamic surface control for a class of uncertain stochastic nonlinear systems. <i>Nonlinear Dynamics</i> , 2012, 67, 683-694.	5.2	21
112	Time-varying asymmetrical BLFs based adaptive finite-time neural control of nonlinear systems with full state constraints. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 1335-1343.	13.1	21
113	Adaptive Neural Network Control Design for Uncertain Nonstrict Feedback Nonlinear System With State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3678-3686.	9.3	21
114	Direct adaptive robust NN control for a class of discrete-time nonlinear strict-feedback SISO systems. <i>Neural Computing and Applications</i> , 2012, 21, 1423-1431.	5.6	20
115	Adaptive Fuzzy Finite-Time Tracking Control for Nonstrict Full States Constrained Nonlinear System With Coupled Dead-Zone Input. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1138-1149.	9.5	20
116	Neural networks-based adaptive dynamic surface control for vehicle active suspension systems with time-varying displacement constraints. <i>Neurocomputing</i> , 2020, 408, 176-187.	5.9	20
117	Adaptive control design for MIMO switched nonlinear systems with full state constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 1583-1600.	4.1	19
118	Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. <i>IEEE Access</i> , 2019, 7, 13577-13588.	4.2	19
119	Anti-Saturation-Based Adaptive Sliding-Mode Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6244-6254.	9.5	19
120	Fully Adaptive-Gain-Based Intelligent Failure-Tolerant Control for Spacecraft Attitude Stabilization Under Actuator Saturation. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 344-356.	9.5	18
121	Performance Improvement of Active Suspension Constrained System via Neural Network Identification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 7089-7098.	11.3	18
122	Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems With Multiple Actuators and Sensors Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2023, 31, 104-116.	9.8	18
123	Adaptive fuzzy controller design with observer for a class of uncertain nonlinear MIMO systems. <i>Asian Journal of Control</i> , 2011, 13, 868-877.	3.0	17
124	Decentralized control of uncertain nonlinear stochastic systems based on DSC. <i>Nonlinear Dynamics</i> , 2011, 64, 305-314.	5.2	17
125	Adaptive control for switched uncertain nonlinear systems with time-varying output constraint and input saturation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 1344-1358.	4.1	17
126	Adaptive Finite-Time Control for Half-Vehicle Active Suspension Systems with Uncertain Dynamics. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, , 1-1.	5.8	17



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127	Adaptive Neural Consensus Tracking Control for Nonlinear Multiagent Systems Using Integral Barrier Lyapunov Functionals. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 4544-4554.	11.3	17
128	Time-Varying Optimal Formation Control for Second-Order Multiagent Systems Based on Neural Network Observer and Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, 35, 3144-3155.	11.3	17
129	ROBUST ADAPTIVE FUZZY CONTROLLER DESIGN FOR A CLASS OF UNCERTAIN NONLINEAR TIME-DELAY SYSTEMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2011, 19, 329-360.	1.9	15
130	Research on the Intelligent Control and Simulation of Automobile Cruise System Based on Fuzzy System. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-12.	1.1	15
131	Adaptive Critic Design for Pure-Feedback Discrete-Time MIMO Systems Preceded by Unknown Backlashlike Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5681-5690.	11.3	15
132	Adaptive control of a class of switched nonlinear discrete-time systems with unknown parameter. <i>Neurocomputing</i> , 2016, 214, 1-6.	5.9	14
133	Minimum-Learning-Parameters-Based Adaptive Neural Fault Tolerant Control With Its Application to Continuous Stirred Tank Reactor. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1275-1285.	9.3	14
134	Adaptive Finite-Time Tracking Control for Continuous Stirred Tank Reactor With Time-Varying Output Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5929-5934.	9.3	14
135	Tangent barrier Lyapunov function-based constrained control of flexible manipulator system with actuator failure. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 8523-8536.	3.7	14
136	Adaptive distributed tracking control for non-affine multi-agent systems with state constraints and dead-zone input. <i>Journal of the Franklin Institute</i> , 2022, 359, 352-370.	3.4	14
137	Adaptive Vehicle Stability Control of Half-Car Active Suspension Systems With Partial Performance Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-11.	9.3	12
138	Minimal learning parameters-based adaptive neural control for vehicle active suspensions with input saturation. <i>Neurocomputing</i> , 2020, 396, 153-161.	5.9	12
139	Adaptive NN Cross Backstepping Control for Nonlinear Systems With Partial Time-Varying State Constraints and Its Applications to Hyper-Chaotic Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2821-2832.	9.3	12
140	PDE Based Adaptive Control of Flexible Riser System With Input Backlash and State Constraints. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 2193-2202.	5.4	11
141	Adaptive NN Tracking Control for Uncertain MIMO Nonlinear System With Time-Varying State Constraints and Disturbances. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 7309-7323.	11.3	11
142	Robust adaptive NN control for a class of uncertain discrete-time nonlinear MIMO systems. <i>Neural Computing and Applications</i> , 2013, 22, 747-754.	5.6	10
143	Adaptive fuzzy control with minimal leaning parameters for electric induction motors. <i>Neurocomputing</i> , 2015, 156, 143-150.	5.9	10
144	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with unknown time-delay. <i>Neurocomputing</i> , 2015, 168, 152-159.	5.9	10

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145	Active contour model by combining edge and region information discrete dynamic systems. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769294.	1.6	10
146	Intelligent Motion Tracking Control of Vehicle Suspension Systems With Constraints via Neural Performance Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 13896-13903.	8.0	10
147	Adaptive fuzzy fault-tolerant control of seat active suspension systems with actuator fault. <i>IET Control Theory and Applications</i> , 2021, 15, 1104-1114.	2.1	10
148	Adaptive neural network control of robot manipulator using reinforcement learning. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 2162-2171.	2.6	9
149	Neural network-based adaptive control for a class of chemical reactor systems with non-symmetric dead-zone. <i>Neurocomputing</i> , 2016, 174, 597-604.	5.9	9
150	A Practical Fault Diagnosis Algorithm Based on Aperiodic Corrected-Second Low-Frequency Processing for Microgrid Inverter. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 3889-3898.	11.3	9
151	Adaptive intelligence learning for nonlinear chaotic systems. <i>Nonlinear Dynamics</i> , 2013, 73, 2103-2109.	5.2	8
152	Adaptive neural network output tracking control of uncertain switched nonlinear systems: An improved multiple Lyapunov function method. <i>Information Sciences</i> , 2022, 606, 380-396.	6.9	8
153	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems With Time-Varying Full-State Constraints. <i>IEEE Transactions on Artificial Intelligence</i> , 2021, 2, 352-361.	4.7	7
154	Adaptive constraint control for flexible manipulator systems modeled by partial differential equations with dead-zone input. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021, 35, 1404-1416.	4.1	7
155	Adaptive event-triggered control of multi-agent systems with state constraints and unknown disturbances. <i>IET Control Theory and Applications</i> , 2021, 15, 2171-2182.	2.1	7
156	Adaptive control for a class of nonlinear systems and application to hard disk drives. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 153-160.	2.6	6
157	Control of nonlinear systems with full state constraints using integral Barrier Lyapunov Functionals. , 2015, , .		6
158	Adaptive NN Control for Nonlinear Multi-Agent Systems With Unknown Control Direction and Full State Constraints. <i>IEEE Access</i> , 2021, 9, 24425-24432.	4.2	6
159	Neural-Network-Based Adaptive Constrained Control for Switched Systems Under State-Dependent Switching Law. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 4057-4067.	11.3	6
160	Robust Adaptive Neural Network Control for a Class of Nonlinear Systems. , 2006, , .		5
161	Combined adaptive fuzzy control for uncertain MIMO nonlinear systems. , 2009, , .		5
162	Adaptive variable universe of discourse fuzzy control for a class of nonlinear systems with unknown dead zones. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1934-1951.	4.1	5

#	ARTICLE	IF	CITATIONS
163	Hesitant Bipolar-Valued Fuzzy Soft Sets and Their Application in Decision Making. Complexity, 2020, 2020, 1-12.	1.6	5
164	Adaptive Fault Tolerant Control of Active Suspension Systems With Time-Varying Displacement and Velocity Constraints. IEEE Access, 2020, 8, 10847-10856.	4.2	5
165	Adaptive Finite-Time Neural Constrained Control for Nonlinear Active Suspension Systems Based on the Command Filter. IEEE Transactions on Artificial Intelligence, 2022, 3, 218-227.	4.7	5
166	Distributed Formation Control of Multi-Robot Systems: A Fixed-Time Behavioral Approach. , 2020, , .		5
167	Adaptive Output Feedback Fuzzy Fault-Tolerant Control for Nonlinear Full-State-Constrained Switched Systems. IEEE Transactions on Cybernetics, 2023, 53, 2325-2334.	9.5	5
168	Adaptive fuzzy control for a class of nonlinear systems with unknown time-delays. , 2008, , .		4
169	Integral BLF-Based Adaptive Neural Constrained Regulation for Switched Systems With Unknown Bounds on Control Gain. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8579-8588.	11.3	4
170	Adaptive Robust Fuzzy Control for a Class of Uncertain Nonlinear Systems in Pure-Feedback Form. , 2008, , .		3
171	Direct adaptive fuzzy control for nonlinear systems with supervisory control performance. , 2009, , .		3
172	Robust adaptive fuzzy tracking control for a class of MIMO systems: A minimal-learning-parameters algorithm. , 2009, , .		3
173	Intelligence computation based on adaptive tracking design for a class of non-linear discrete-time systems. Neural Computing and Applications, 2013, 23, 1351-1357.	5.6	3
174	Adaptive near optimal neural control for a class of discrete-time chaotic system. Neural Computing and Applications, 2014, 25, 1111-1117.	5.6	3
175	The Spectral Radius for a Class of Double-Star-Like Tree Systems with Maximal Degree 4. Mathematical Problems in Engineering, 2015, 2015, 1-6.	1.1	3
176	Spanning 3-Ended Trees in Almost Claw-Free Graphs. Discrete Dynamics in Nature and Society, 2015, 2015, 1-5.	0.9	3
177	Fuzzy control for vehicle status estimation considering roll stability and its application in target recognition of automobile cruise system. Advances in Mechanical Engineering, 2017, 9, 168781401770169.	1.6	3
178	Adaptive fuzzy tracking control for a class of uncertain nonlinear systems. , 2009, , .		2
179	A novel alleviating computation algorithm for a class of large-scale nonlinear systems with unknown dead-zones. Nonlinear Dynamics, 2014, 76, 915-930.	5.2	2
180	Disturbance Observer-Based Adaptive Neural Network Control of Marine Vessel Systems with Time-Varying Output Constraints. Complexity, 2020, 2020, 1-12.	1.6	2

#	ARTICLE	IF	CITATIONS
181	Adaptive neural network control for nonlinear state constrained systems with unknown dead-zones input. AIMS Mathematics, 2020, 5, 4065-4084.	1.6	2
182	Indirect adaptive robust fuzzy control for a class of MIMO nonlinear systems. , 2008, , .		1
183	Co-Design of Event Generator and Dynamic Output Feedback Controller for LTI Systems. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	1
184	Adaptive control design for Arneodo chaotic system with state constraint. JVC/Journal of Vibration and Control, 2015, 21, 1968-1975.	2.6	1
185	Spectral radius and extremal graphs for class of unicyclic graph with pendant vertices. Advances in Mechanical Engineering, 2017, 9, 168781401770713.	1.6	1
186	Trajectory Tracking Control in Real-Time of Dual-Motor-Driven Driverless Racing Car Based on Optimal Control Theory and Fuzzy Logic Method. Complexity, 2021, 2021, 1-16.	1.6	1
187	Adaptive Robust NN Control of Nonlinear Systems. Lecture Notes in Computer Science, 2011, , 535-541.	1.3	1
188	Approximation-Based Adaptive Neural Tracking Control of an Uncertain Robot with Output Constraint and Unknown Time-Varying Delays. Lecture Notes in Computer Science, 2017, , 44-51.	1.3	1
189	Direct Adaptive Robust Fuzzy Control for Nonlinear Strict-Feedback Systems. , 2006, , .		0
190	Observer-based Adaptive Fuzzy Hiz Tracking Control of Uncertain MIMO Nonlinear Systems. , 2007, , .		0
191	Adaptive Neural Network Control for a Class of Uncertain Nonlinear Systems. , 2008, , .		0
192	Adaptive fuzzy dynamic surface control of unknown multivariable nonlinear systems. , 2008, , .		0
193	Robust adaptive fuzzy dynamic surface control of uncertain nonlinear for systems. , 2008, , .		0
194	Observer-based robust stabilization of nonlinear multiple time-delay large-scale systems via decentralized fFuzzy control. , 2008, , .		0
195	Adaptive robust fuzzy control for a class of nonlinear systems based on backstepping method. , 2008, , .		0
196	Adaptive NN tracking control of nonlinear discrete-time systems. , 2011, , .		0
197	Observer-based adaptive control for a class of nonlinear chaotic systems. , 2011, , .		0
198	Output-feedback adaptive DSC of stochastic nonlinear systems with time-delays. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
199	Adaptive fuzzy control for a class of chaotic discrete-time system. , 2014, , .		0
200	The Existence of Spanning Ended System on Claw-Free Graphs. Mathematical Problems in Engineering, 2016, 2016, 1-4.	1.1	0
201	Time-varying output constraint for DC motor control. , 2016, , .		0
202	Adaptive Neural Network Control For Vehicle Active Suspension System with Unknown Dead-Zones. , 2018, , .		0
203	Adaptive Tracking Control for Active Seat Suspension System with Time-Varying Full State Constraints. , 2019, , .		0
204	Robust Adaptive Fuzzy Control via State-Dependent Function for Nonlinear Stochastic Large-Scale Systems Subject to Dead Zones. Complexity, 2021, 2021, 1-17.	1.6	0
205	Adaptive Intelligent Control for Continuous Stirred Tank Reactor with Output Constraint. Lecture Notes in Computer Science, 2014, , 385-392.	1.3	0
206	Adaptive NN Constraint Control for Flexible Manipulator System Described by PDE Model. , 2020, , .		0